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DESCRIPTORS: *Sulfur, *Oxidation, Sulfuric acid,
Nitro radicals, Experimental data.

(Chemistry--Inorganic, TT, v. 11, no. 8)

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(Study of the Oxidation of Sulfides and Sulfide Ores).
16p. (foreign text included) 3 refs. CNRS-VII 42.
Order from OTS, ETC or CNRS \$1.60 TT-62-28742

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DESCRIPTORS: *Oxidation, *Sulfides, Ores (Metal
sources), Sulfur compounds, Oxides, Sulfates.

(Chemistry--Inorganic, TT, v. 11, no. 8)

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Order from OTS, ETC or CNRS \$1.60 TT-62-28760

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DESCRIPTORS: *Carbon dioxide, *Absorption,
Alkali metal compounds, Solutions, Foams,
Hydroxides.

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(Pobloshcheniye Dvukhizn Ugleroda Rastvorami Ealkogo
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DESCRIPTORS: *Carbon dioxide, *Absorption,
Sodium compounds, Hydroxides, Solutions, Foams.

(Engineering--Chemical, TT, v. 11, no. 8)

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THE THEORY OF CHEMICAL ABSORPTION. X. THE CRITERIAL EQUATION OF MASS TRANSFER THROUGH THE DIFFUSION LAYER OF GAS IN THE PROCESS OF SCRUBBER ABSORPTION [Teoriya Khemosorbtsii, X.] [1963] [16p] 5refs
Order from OTS, SLA, or ETC \$1.60 TT-63-20164

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1948, v. 21, no. 3, p. 218-226. (Abstract available)

DESCRIPTORS: *Absorption, *Towers (Chemistry), Transport properties, Diffusion, Gases, Equations,

The task of the experimental study was to verify the finding from the experimental data of the function $Nu_g = f(Re_g, Pr_g)$, with the aim of verifying the functional bonds, which determine the magnitude of the partial coefficient of absorption k_g , characterizing the rate of mass transfer through the diffusion layer of (Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20164

I. Pozin, M. E.

II. Title: Criterial...

00581

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Pozin, M. E.

THE THEORY OF CHEMICAL ABSORPTION. VIII. ON
THE COEFFICIENT OF THE RATE OF ABSORPTION.
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Order from OTS, SLA, or ETC \$1.60 TT-63-18566

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20,
no. 10, p. 963-975. (Abstract available)
A trans. is available in Dutch from OTS or ETC \$2.71
in TT-61-17957, MTWL-303, 43p.

DESCRIPTORS: *Absorption, *Kinetic theory, Dif-
fusion, Absorbents, *Towers (Chemistry), Fluid flow.

There is established the regularity for the rate of mass-
transmission through a diffusion layer of liquid in the
form of a function of dimensionless criteria character-
izing the physical, hydrodynamic and geometric condi-
tions of work of a scrubber. The experiments which
(Chemistry--Physical, TT, v. 11, no. 4) (over)

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II. Title: Or...

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TT-63-20162

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THE THEORY OF CHEMICAL ABSORPTION. V. THE
ABSORPTION OF CHLORINE AND SULPHUR DIOXIDE
BY SOLUTIONS OF CAUSTIC SODA: THE ABSORP-
TION OF CHLORINE BY BENZENE (Teoriya
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Gaza Rastvorami Edkogo Natra: Absorbitsiya Khloro
Benzolom). [1963] [23p] (foreign text included) 4refs
Order from OTS, SLA, or ETC \$2.60 TT-63-20162

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947,
v. 20, no. 6, p. 523-631. (Abstract available)

DESCRIPTORS: *Absorption, *Chlorine, *Dioxides,
*Sulfur compounds, *Sodium compounds, *Hydroxides,
*Benzenes,

The correctness of the theoretically derived equations of
kinetics of chemosorption was confirmed on a series
of examples (absorption of chlorine and sulphurous gas
(Chemistry--Physical, TT, v. 11, no. 4) (over)

I. Pozin, M. E.
II. Opykhtin, M. A.
III. Title: Absorption...
IV. Title: Absorption...

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pp 396-408

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Solution in a Foam Apparatus, by M. E. Porin,
B. A. Kopylov, N. A. Petrova, 9 pp.

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Absorption of Carbon Dioxide by Sodium Carbonate
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pp.11

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Formation of Mobile Foam, M. E. Pozin, E. S.
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